IVER JOHNSON

OPERATION AND MAINTENANCE OF THE UNIVERSAL CARBINE

UNIVERSAL FIREARMS CORP.

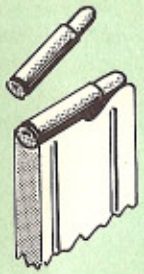
PHONE: Area 305—696-0950

3746 E. 10th CT. — HIALEAH, FLORIDA 33013

USED BY THE ARMED FORCES AND SPORTSMEN THE WORLD OVER

LOADING

FIG. 1.

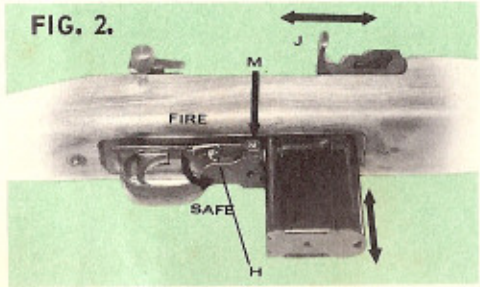


Press cartridge down with thumb until caught under magazine lips. Repeat until full. Turn safety, **Fig. 2. (H)** down to SAFE (green exposed. Push magazine up into receiver until a click indicates the magazine lock has snapped into place. Pull operating slide handle **(J)** back and release it – thereby chambering first cartridge. It is a good habit to strike handle with heel of hand to make certain bolt is firmly seated and locked. Turn safety back to FIRE (red exposed).

UNLOADING

Turn safety down to SAFE (green exposed).
Press magazine lock **(M)** in **Fig. 2.**
Slide magazine down and out.
Pull operating slide back to eject remaining cartridge.
Magazine is unloaded by sliding cartridges forward and out, one at a time.

FIG. 2.

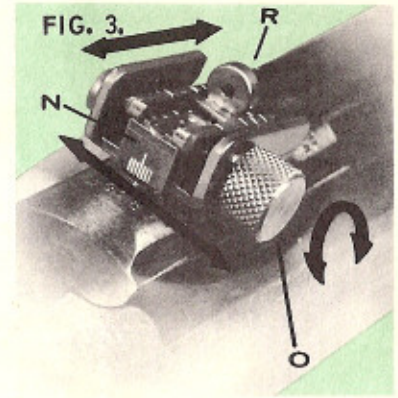


NOTE: To withdraw 5 shot slip when bolt is in open position, draw slide back and hold it firmly while depressing magazine follower through top of gun with left thumb. Allow bolt to move forward slowly over magazine follower. When magazine follower is under bolt, withdraw left thumb and let bolt close all the way. CAUTION. DO NOT RELEASE BOLT AS FINGER MAY BE CAUGHT BETWEEN BOLT AND BARREL. Clip may then be withdrawn from gun by depressing magazine release button marked **(M). Fig. 3.**

SIGHTING

Front sight is of the fixed blade type. Rear sight is of the "peep" or aperture type and is adjustable as follows:
Aperture, **Fig. 3 (R)** slides forward and rearward according to distance to target, and snaps into indents corresponding to 100, 200, 250, and 300 yards.
Ramp **(N)** moves left and right, by turning knob **(O)** to correct for windage, or lead on on moving target. Each click corresponds to 1" at 100 yds. (2" at 200 yds., etc.).

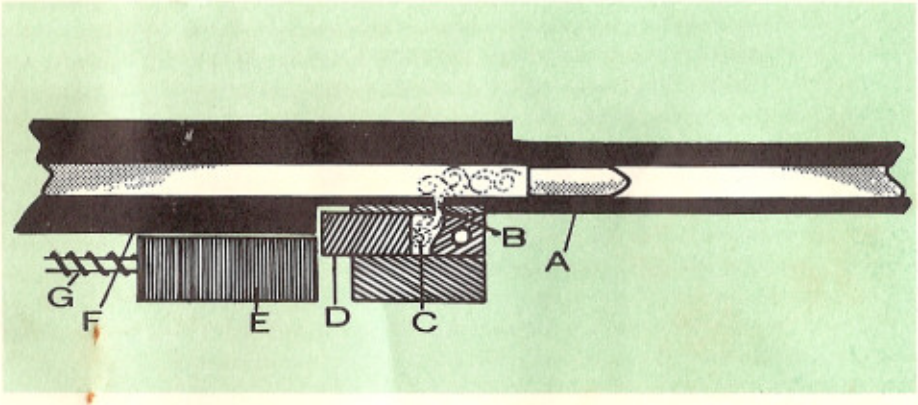
FIG. 3.



CLEANING

The carbine bore can be cleaned only from the muzzel. Leave EMPTY magazine in gun. Pull operating slide to rear. Magazine will hold bolt open for cleaning. Inspect chamber to make sure it is not loaded. Use cleaning rod, which is available from arms dealers, and guide rod with thumb and finger to prevent damaging rifling at muzzle. Inspect bore with aid of a bore reflector, small mirror or piece of white cloth or paper placed in breech opening at an angle to reflect light. With bore reflector or mirror, bore can be inspected from both ends. Carbine cartridges have noncorrosive primers and therefore it is not necessary to use water in cleaning the bore. However, nitro-solvent or bore cleaner should be used to dissolve powder fouling. Dry bore with clean patches after use of nitro-solvent or bore cleaner, and oil bore with patch soaked in preservative oil. Be sure to remove grease or any obstructions from bore prior to firing.

OPERATION

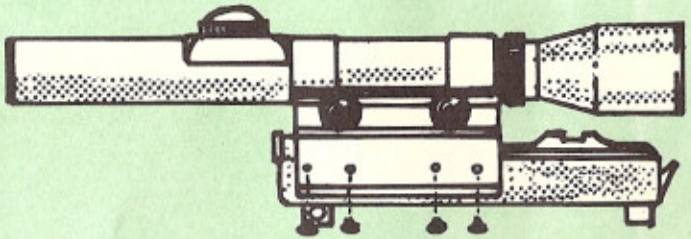


The carbine is gas-operated and has a short stroke action. As soon as bullet (**A**) is forward of gas port (**B**) in barrel, gas from the burning powder expands through gas port into gas cylinder (**C**) and thrusts the piston (**D**) rearward. The piston strikes the operating slide (**E**), starting it into motion, and the piston is stopped after about 3/16" of travel by the barrel (**F**). As the operating slide starts to the rear, the recoil spring (**G**) begins to be compressed. The operating slide moves rearward about 5/16" before its cam contacts operating lug of bolt. This allows operating slide to gain speed to overcome inertia of the locked bolt, and also gives time for bullet to clear muzzle, allowing pressure in barrel to be reduced to outside pressure before bolt begins to unlock. As operating slide continues to the rear, it compresses the recoil spring and cams the bolt counterclockwise to unlocked position. Extraction and ejection of fired cartridge case, withdrawl of firing pin to safe position inside bolt, and cocking of hammer occurs as bolt moves rearward. When operating slide and bolt move forward, pushed by the compressed recoil spring, the bolt strips top round from magazine and shoves it into chamber. When bolt reaches forward position, cam in operating slide rotates bolt clockwise so locking lugs on either side of bolt head engage locking shoulders in receiver.

SCOPE MOUNTING INSTRUCTIONS

Your new Universal Gun has been drilled and tapped for a scope mount. The base mount and screws are enclosed in the box with your gun. Follow the simple directions to insure best results.

Remove action from stock (See Field Stripping Instructions). Remove plastic insert used to protect screw holes and inletted area. Fasten base to receiver with four screws extremely tight. Gunsmiths often apply a bonding cement (available at hardware stores) to the screws and under the base for greater security. Tighten each of the four base cap screws a little at a time until they are very tight so there can be no slippage. The rifle is then ready for sighting in.



Before attaching scope, windage and elevation adjustments should be zeroed or centered. (See your Scope Instructions). The scope turret must be forward of the mount. Slip the mount caps over the tube. Don't remove the scope turret or eyepiece.

Fasten the mount in position on the base. Place the gun in a vice or some fixed position with the bore or regular sights precisely aligned on a target about 40 feet distant. To boresight rifles, look through the barrel by means of a small mirror held at an angle in the breech. Without moving the rifle from its boresighted position, the scope should be adjusted to the boresight mark.

IMPORTANT: All screws are specially hardened. Turn them as tightly as possible to eliminate posibility of loosening from recoil or rough handling.

FOR THE FIRST TIME. . . . YOUR CHOICE OF TWO WARRANTIES

OUR FAMOUS THREE YEAR WARRANTY OR UNIVERSAL'S NEW LIFETIME WARRANTY!

THREE YEARS COVERING ALL DEFECTS IN MANUFACTURING OR UNIVERSAL'S NEW WARRANTY THAT COVERS EVEN NORMAL USAGE FOR THE LIFE OF THE ORIGINAL OWNER. CHECK THE WARRANTY CARDS ENCLOSED WITH YOUR NEW UNIVERSAL FIREARM FOR THE WARRANTY OF YOUR CHOICE!

THREE YEAR WARRANTY

UNIVERSAL FIREARMS CORPORATION HEREBY WARRANTS YOUR NEW UNIVERSAL FIREARM AGAINST ALL DEFECTS ARISING FROM FAULTY WORKMANSHIP OR MATERIALS FOR THE PERIOD OF THREE YEARS FROM DATE OF PURCHASE. DURING THIS THREE YEAR PERIOD WE WILL REPAIR OR REPLACE WITHOUT CHARGE (AT OUR OPTION) ANY PART PROVED DEFECTIVE, WOOD EXCEPTED. THIS WARRANTY DOES NOT COVER NEGLIGENCE, NEGLECT OR MISUSE OF THIS FIREARM BY THE ORIGINAL PURCHASER, NOR DOES IT COVER COST OF REPAIRS OR EFFECT OF SUCH REPAIRS MADE OUTSIDE OUR FACTORY FACILITIES.

IF REPAIR IS NECESSARY, PLEASE FORWARD GUN, PREPAID, WITH A LETTER INDICATING THE DIFFICULTY TO UNIVERSAL FIREARMS CORPORATION.

H. G. Sorentino
President

UNIVERSAL FIREARMS CORPORATION
3746 E. 10TH COURT
HIALEAH, FLORIDA 33013

USED BY THE ARMED FORCES AND SPORTSMEN THE WORLD OVER.

LIFETIME WARRANTY

IN CONSIDERATION OF $5.00

UNIVERSAL FIREARMS CORPORATION HEREBY WARRANTS YOUR NEW UNIVERSAL FIREARM AGAINST ALL DEFECTS ARISING FROM FAULTY WORKMANSHIP OR MATERIAL OR FROM NORMAL USEAGE AND WEAR INCLUDING THE STOCK FOR THE LIFETIME OF THE ORIGINAL PURCHASER. AT THEIR OPTION, UNIVERSAL FIREARMS CORPORATION WILL REPAIR OR REPLACE ANY PART FOUND DEFECTIVE UNDER THE TERMS OF THIS WARRANTY. ONLY DAMAGE DUE TO NEGLIGENCE, NEGLECT OR MISUSE BY THE ORIGINAL PURCHASER IS EXCEPTED.

ALL FIREARMS FOUND DEFECTIVE UNDER THIS LIFETIME WARRANTY SHOULD BE RETURNED TO UNIVERSAL FIREARMS CORPORATION PREPAID WITH A STATEMENT COVERING THE REASON FOR RETURN.

H. G. Sorentino
President

UNIVERSAL FIREARMS CORPORATION
3746 E. 10TH COURT
HIALEAH, FLORIDA 33013

USED BY THE ARMED FORCES AND SPORTSMEN THE WORLD OVER.

DISASSEMBLY - FIELD STRIPPING

Be SURE gun is unloaded! Open action to be sure cartridge is not in chamber.

FIG. 1.

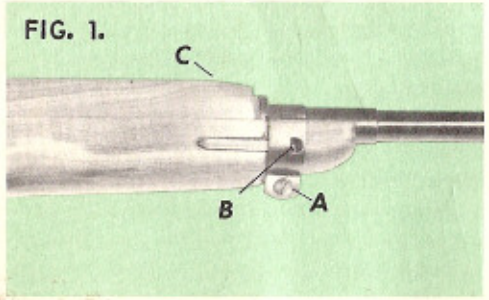


FIG. 2.

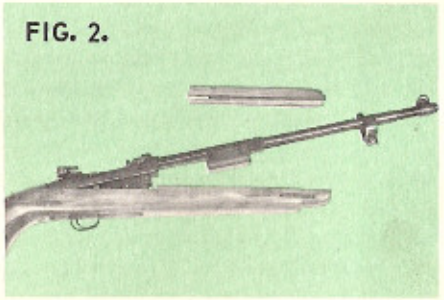


FIG. 4.

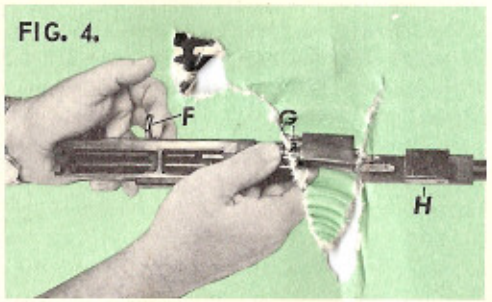
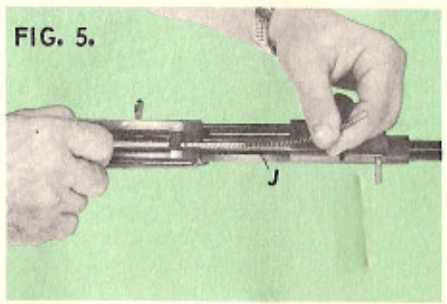


FIG. 5.



Remove magazine from trigger guard. Loosen Barrel Band Screw (**A**) **Fig. 1.** Do not remove. Depress Barrel Band Retainer (**B**) with narrow screwdriver to disengage notch from Barrel Band and slide Barrel Band forward by tapping lightly with hammer until Barrel Band clears Hand Guard (**C**). Grasp Barrel at forward end and pull from Stock. See **Fig. 2.**

Turn receiver over and place on back as in **Fig. 4.** Pull Slide (**F**) to rear. At the same time bring both the Recoil Spring Guides (**G**) back. Hold Guides at rear with thumb and let Slide return forward. This disengages Guides from Gas Piston Block (**H**) and will enable you to remove Recoil Spring Guides. First Right Guide, then Left Guide. Hold Recoil Springs (**J**) as in **Fig. 5** to prevent them from flying loose.

Fig. 3. Lay gun on flat surface supporting back side of trigger guard (**D**) to prevent damage. Drive Trigger Guard Housing Pin (**E**) out with a drift punch. When pin is removed, trigger guard may be tapped lightly towards the front sight. This will remove it from the Dove Tail so it can be withdrawn from the receiver.

FIG. 3.

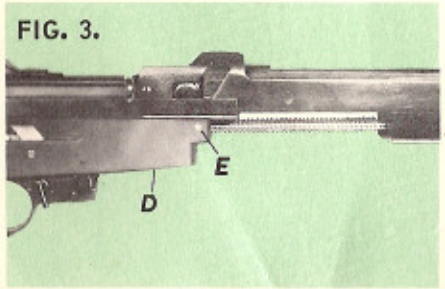


Fig. 6. Using small screwdriver, <u>loosen</u> small 6/40 screw (**K**) from slide. Do NOT remove. Place gun on rear end and tap lightly against firm surface. Key (**L**) will fall out. If Key sticks, tap and jiggle slide slightly.

FIG. 6.

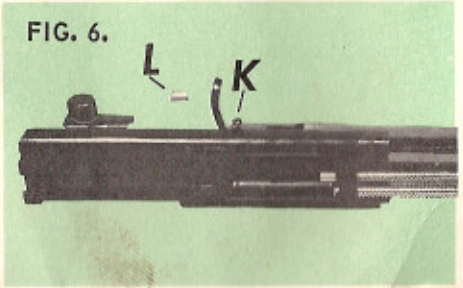
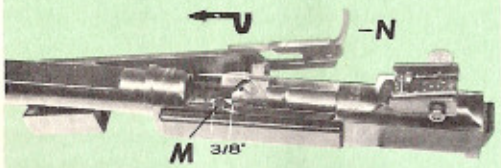


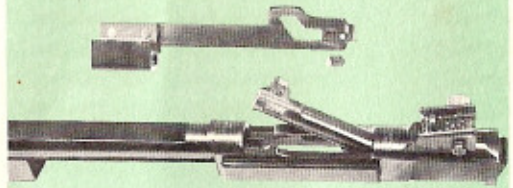
FIG. 7.



Draw bolt and slide rearward (**Fig. 7**) until approximately 3/8" from face of Left Locking Lug (**M**). Raise slide handle (**N**) rotating bolt to withdraw slide from the receiver. **Fig. 8.** To withdraw bolt, pull forward and rotate to clear firing pin extention at bottom from the safety cam that has been cut into the receiver.

Now the gun has been field stripped.

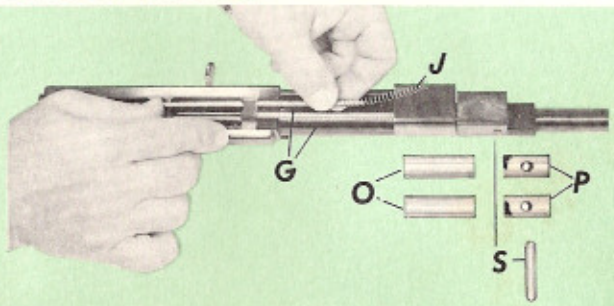
FIG. 8.



SEMI-AUTOMATIC TO SINGLE SHOT BOLT ACTION

To change this gun from Semi-Automatic to Single Shot Bolt Action follow this procedure. Field Strip gun. (See disassembly instructions). Place gun on firm surface and drive gas piston plug pin (**S**) from chamber with 3/16" punch. After Pin has been removed, tap Gas Piston (**O**) towards front sight with large punch to remove Gas Piston Plug (**P**). Note gas control channel at top of plug. By turning this plug over 180°, channel will be away from the barrel and gas flow will be cut off from the piston. Insert plug and align hole. Drive Gas Piston Plug Pin back through holes in chamber and Plug. Note: This is a special heat treated pin. Do not replace with substitute. The Gas Piston assembly requires no cleaning.

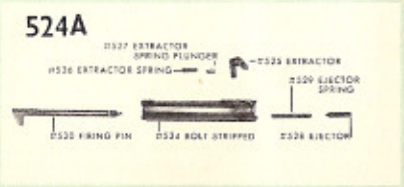
FIG. 9.



ASSEMBLY

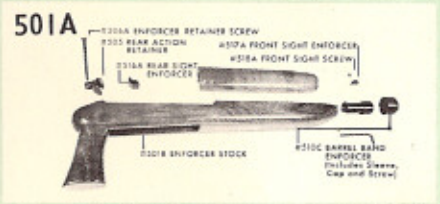
For assembly, reverse Field Stripping procedure. Assemble bolt and slide making sure that bolt is approximately 3/8" from face of Left Locking Lug (**M**) so slide will fit over barrel assembly and bolt in slide channel. Replace Key and tighten special hardened screw tightly. If screw does not return all the way, it is binding against the key. Loosen and make sure key is in proper position before retightening. Feed Right Recoil Spring (**J**) onto Recoil Spring Guide (**G**) as illustrated in **Fig. 9.** With right thumb push Guide forward until it engages Recoil Slide Hole. Note Springs are flared at both ends to enable you to thread over Guides easily. Repeat for left spring and guide. Make sure Guides are firmly engaged in holes at forward end, and rear ends of Guides clear hole for Trigger Guard Housing Pin. Place rear of Trigger Guard Housing in dovetail and tap lightly at forward end of Trigger Guard until holes are properly aligned. Replace Trigger Guard Housing Pin by driving from same side as Slide Handle. Make sure back side of trigger guard is supported to eliminate possibility of breaking Trigger Guard. Replace entire barrel assembly in stock and reset B[illegible] Band over notch. Tighten Barrel Band Screw.

TRIGGER HOUSING ASSEMBLY

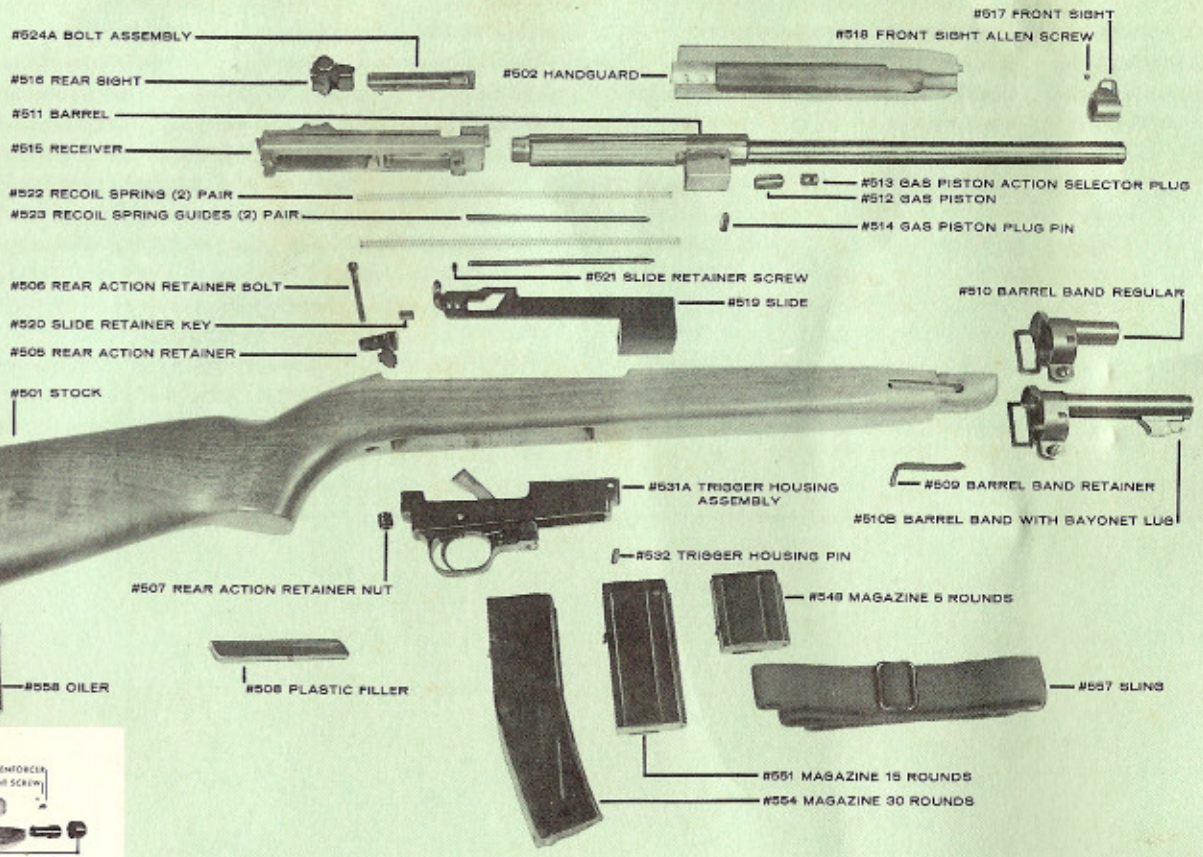


BOLT ASSEMBLY

ENFORCER STOCK ASSEMBLY


501A
#501A ENFORCER RETAINER SCREW
#505 REAR ACTION RETAINER
#517A FRONT SIGHT ENFORCER
#518A FRONT SIGHT SCREW
#511A REAR SIGHT ENFORCER
#501B ENFORCER STOCK
#510C BARREL BAND ENFORCER (Includes Sleeve, Cap and Screw)

MONTE CARLO STOCK ASSEMBLY



PARTS LIST WITH PRICES

#501	Stock	$16.50
#501A	Monte Carlo Stock	$22.50
#501B	Enforcer Stock	$18.50
#502	Handguard	$ 5.00
#503	Butt Plate	$ 2.50
#504	Butt Plate Screw	$ .15
#505	Rear Action Retainer	$ 3.00
#506	Rear Action Retainer Bolt	$ .50
#506A	Enforcer Retainer Screw	$ .50
#507	Rear Action Retainer Nut	$ 1.00
#508	Plastic Filler	$ .50
#509	Barrel Band Retainer	$ 1.75
#510	Barrel Band Regular	$ 5.00
#510A	Barrel Band Deluxe	$ 7.50
#510B	Barrel Band w/Bayonet Lug	$ 7.50
#510C	Barrel Band for Enforcer	$ 7.50
#511	Barrel	$22.00
#512	Gas Piston	$ 1.50
#513	Gas Piston Action Selector Plug	$ 2.00
#514	Gas Piston Plug Pin	$ .50
#515	Receiver	$25.00
#516	Rear Sight	$ 5.00
#516A	Rear Sight Enforcer	$ 2.50
#517	Front Sight	$ 4.50
#517A	Front Sight Enforcer	$ 2.50
#518	Front Sight Allen Screw	$ .40
#518A	Front Sight Allen Screw Enforcer	$ .40
#519	Slide	$ 9.00
#520	Slide Retainer Key	$ 1.00
#521	Slide Retainer Screw	$ .50
#522	Recoil Spring (2) pair	$ 1.50
#523	Recoil Spring Guides (2) pr.	$ 1.50
#524	Bolt Stripped	$ 9.50
#524A	Bolt Assembly	$18.50
#525	Extractor	$ 4.50
#526	Extractor Spring	$ .12
#527	Extractor Spring Plunger	$ .50
#528	Ejector	$ 1.00
#529	Ejector Spring	$ .12
#530	Firing Pin	$ 3.50
#531	Trigger Housing Stripped	$ 8.50
#531A	Trigger Housing Assembly	$25.00
#532	Trigger Housing Pin	$ .50
#533	Sear	$ 4.50
#534	Sear Spring	$ .50
#535	Trigger	$ 5.50
#536	Trigger Spring	$ 1.00
#537	Trigger Pin	$ .50
#538	Hammer	$ 5.50
#539	Hammer Spring	$ 1.00
#540	Hammer Spring Guide	$ 2.00
#541	Hammer Pin	$ .50
#542	Magazine Lock	$ 3.50
#543	Magazine Lock Spring	$ .50
#544	Magazine Lock Spring Plung.	$ .50
#545	Magazine Lock Retaining Spring	$ .25
#546	Magazine Lock Retaining Spring Plunger (2) pair	$ 1.00
#547	Safety	$ 3.50
#548	Magazine 5 rounds Blue	$ 4.50
#549	Magazine 5 rounds Nickel	$ 6.50
#550	Magazine 5 rounds Gold	$ 6.50
#551	Magazine 15 rounds Blue	$ 4.50
#552	Magazine 15 rounds Nickel	$ 7.50
#553	Magazine 15 rounds Gold	$ 7.50
#554	Magazine 30 rounds Blue	$ 8.00
#555	Magazine 30 rounds Nickel	$10.00
#556	Magazine 30 rounds Gold	$10.00
#557	Sling	$ 2.50
#558	Oiler	$ 1.50

SPECIFICATIONS SUBJECT TO CHANGE AT OUR DISCRETION WITHOUT NOTICE.

'dd 25¢ postage under $5.00. Over $5.00 add 10%
Fla. residents add

SERVICE

Every Carbine is proof-tested and function-fired in order to prove that it is in perfect condition and conforms fully to our specifications and standards before shipment.

If there is any question with regard to the performance of the gun, please write to our Service Department, fully describing all circumstances and conditions involved.

If you should return your Carbine for repair or if you order component parts, please comply with the following suggestions for prompt service:

1. Please enclose remittance with order.
2. Guns shipped to the factory should be sent prepaid. We will not accept collect shipments.
3. If no work is required on the stock, the complete barrel, receiver and mechanism may be sent alone.
4. Always give serial number and model of firearm. Give detailed information covering difficulty or work desired. Give name of shipper, if other than correspondent. Be sure to order parts by name and number.

Please: Be Sure Gun is Unloaded! Open Action to be Sure Cartridge is Not in Chamber.

SPECIFICATIONS

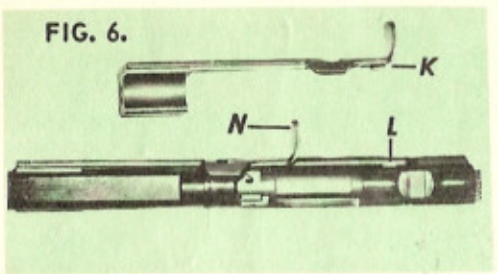
Weight of carbine with 15-round magazine (unloaded)	5.50 lb.
Weight of carbine with 15-round magazine (loaded)	6.10 lb.
Magazine capacity	15 rd.
Weight of 15-round magazine (unloaded)	0.17 lb.
(loaded)	0.59 lb.
Over-all length of carbine	35.58 in.
Over-all length of carbine with bayonet attached	42.26 in.
Weight of 100 cartridges	2.8 lb.
Weight of 1 ball cartridge	193 gr.
Weight of bullet (apprx)	111 gr.
Muzzle velocity	1,900-2,000 f.p.s.
Pressure in chamber per square inch maximum (approx)	40,000 lb.
Maximum range	2,000 yd.
Effective range	300 yd.
Length of barrel	18.00 in.
Sight radius at 100 yards	21.5 in.
Trigger pull	4½-7 lbs.

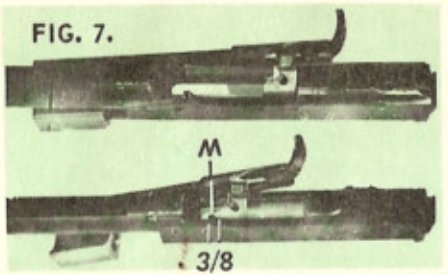
Sights: Front blade protected by wings; rear peep sight adjustable for windage and elevation.

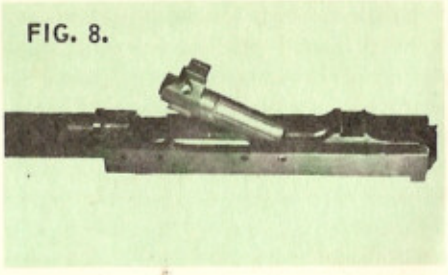
Type of Fire: Single shot only. Pressing the trigger fires the cartridge, ejects the empty case, loads in a new cartridge and leaves the weapon cocked and ready for next pull of trigger.

NOTICE: PLEASE READ CAREFULLY FOR MODIFIED DISASSEMBLY AND FIELD STRIPPING INSTRUCTIONS!

We have modified your new Universal Carbine to give you the tinest gun of its kind possible. Please refer to these instructions for Field Stripping when you have reached **Fig. 6** in our regular brochure and for subsequent assembly instructions.







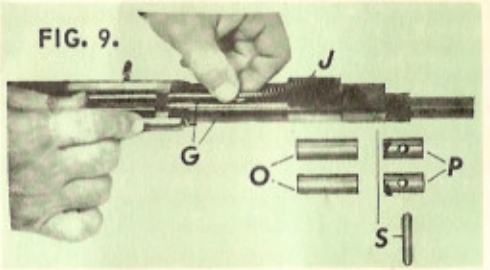


Fig. 6. Move slide (**N**) and bolt assembly to rear until key (**K**) on slide is in line with key slot (**L**) in receiver. Move slide outward and upward so key passes into slot as far as it will go. With slide in this position, move bolt completely to rear of receiver to allow key on slide to clear slot, **Fig. 7** (Top). Move bolt and slide forward together until face of bolt is 3/8" from left locking lug (**M**), **Fig. 7** (Bottom). Raise slide and move forward to completely disengage slide from bolt and receiver, **Fig. 7** (Bottom). Rotate bolt to left one-quarter turn while moving bolt upward to release bolt from receiver, **Fig. 8.**

Add 25c For Postage Under $5.00. Over $5.00 Add 10%. Fla. Residents Add 4%.

CAUTION: If Misfire Occurs, Wait One Full Minute Before Ejecting Faulty Round.

ASSEMBLY

For assembly, reverse Field Stripping procedure. Slip bolt firing pin through opening in receiver. When face of bolt is approximately 3/8" behind face of left locking lug, turn bolt approximately one-quarter turn to left to allow left lug of bolt to fit into receiver. Turn bolt back to right to seat bolt in receiver. Make sure bolt slides freely back and forth. With face of bolt 3/8" from left locking lug, put slide into place so right lug on bolt will fit through opening on slide. Move slide and bolt together to rear until key on slide lines up with key slot in receiver. Drop slide key through slot. Bolt and slide are now properly aligned and should move smoothly back and forth. Feed Right Recoil Spring (**J**) onto Recoil Spring Guide (**G**) as illustrated in **Fig. 9.** With right thumb push Guide forward until it engages Recoil Slide Hole. Note Springs are flared at both ends to enable you to thread over Guides easily. Repeat for left spring and guide. Make sure Guides are firmly engaged in holes at forward end, and rear ends of Guides clear hole for Trigger Guard Housing Pin. Place rear of Trigger Guard Housing in dovetail and tap lightly at forward end of Trigger Guard until holes are properly aligned. Replace Trigger Guard Housing Pin by driving from same side as Slide Handle. Make sure back side of trigger guard is supported to eliminate possibility of breaking Trigger Guard. Replace entire barrel assembly in stock and reset Barrel Band over notch. Tighten Barrel Band Screw.

SEMI-AUTOMATIC TO SINGLE SHOT BOLT ACTION

To change this gun from Semi-Automatic to Single Shot Bolt Action follow this procedure. Field Strip gun. (See disassembly instructions). Place gun on firm surface and drive gas piston plug pin (**S**) from chamber with 3/16" punch. After Pin has been removed, tap Gas Piston (**O**) towards front sight with large punch to remove Gas Piston Plug (**P**). Note gas control channel at top of plug. By turning this plug over 180°, channel will be away from the barrel and and gas flow will be cut off from the piston. Insert plug and align hole. Drive Gas Piston Plug Pin back through holes in chamber and Plug. Note: **This is a special heat treated pin. Do not replace with substitute.** The Gas Piston assembly requires no cleaning.